INTERESTING LESSONS IN PLANT PRODUCTION

To show that plants absorb moisture from the soil, take two 1-quart tin cans as near alike as you can get them and punch holes in the bottoms for drainage.

Secure enough garden soil to fill both cans, mix it thoroughly, and sift it to remove pebbles and clods. Fill both cans level full of loose soil, which should then be packed by jarring each can three times on the table or floor.

It is important to have the soil packed alike in both cans. Weigh the filled cans, and if one is heavier than the other, take out enough soil to bring them to the same weight. Plant five or six kernels of corn in

one can, water both cans alike, and set them aside for the corn to grow. Whenever water is applied to the can containing corn, an equal amount

should be applied to the other can in order to keep both soils in about the same physical condition. When the corn is three or four in-ches high, wet both soils thoroughly, allow the cans to stand until water ceases to drip from the bottom, weigh them, and record their weights separately. Set both cans in a warm ight place where the corn will continue to grow rapidly.

Weigh the can; twice on the following day—morning and afternoon—and record the weights. Keep this up for three or four days, or until the corn begins to suffer from lack of moisture. Water again and continue as before.

You will probably find that the can containing the growing plants loses meisture much more rapidly than the

This experiment may be performed in another way by using flower pots instead of tin cans. When the corn is three or four inches high, get two lard pails or cans just large enough to take in the pots to their rims.

Mark on the outside of the pails the depth to which the pots will extend on the inside, and at a point one inch above each mark make a dent which oan be distinctly seen on the inside of the pail.

Now fill each pail with water up to the dent, water both pots thoroughly, and set them in the palls as shown in the figure.

Set both pails and pots in a warm light place so that the corn will continue to grow.

The next day remove the pots and you will find that the water is not up to the dente, you will conclude and naturally, that the soil has taken up the water.

From an eight ounce graduate pour into one pail just enough water to bring it up to the dept again. Make a record of the amount necessary to de this. Fill the graduate and bring the water in the other pail up to the

Repeat these operations daily for two or three weeks and you will be able to find out exactly how much

moisture the growing plant absorbs.

In order to show that plants give off moisture, take a plant that is well started in a tamote can or flower pot, a piece of cardboard, and a glass plant, out a slit in the cardboard and draw it around the plant, seal to cover elit with pitch, wax, or tallow, moisture can come through it from below; cover plant with the glass and set it in & warm, sunny place. Moisture will condense on the inner surface of the

If moisture does not condense readily inside the glass, cool the glass by expesing it to a current of cold air or by wrapping it for a minute or two in a cloth wrung out of cold water. The outside of the glass should then be dried so the moisture on the

outside will not obscure that within, That water absorbed by the roots of plants is forced upward phrough the plant can be demonstrated by severing the stem of a ger. anium three or four inches from the surface of the soil, setting on top of the cut end of the stem a section of glass tubing several inches long, and fastening the two together by wrapping the joint with a strip of adhesive

tape or surgeod's plaster.

Keep the root of the plant normal
by supplying it with water. Note
what happens inside the glass tube.

making observations every few hours. To show that water and whatever substance it holds in solution circulate to all parts of the plant, fill a tumbler about one third full of lukewarm water colored with a few drops of red ink or some other brillian coloring matter, and place in colored water the freshly cut stems of white caractions, white roses, the of the valley, or other white flowers, or the twigs of trees with young leaves on, or almost any soft

Be sure that they are fresh. In a short time the colored water will rise through the stems or twigs and may he seen distributing in vein-like pat-tern therush the petals of the flowers of through the leaves.

Hold the leaves up to the light and the coloring matter can be seen more

In this manner the steam of the plant carries food in solution which has been absorbed by the roots.

"Our milkman is surely honest." "How do you know?"
"I overheard him tell the kitchen

girl that he boils all the water he uses in his milk." Nearer the Ground. Edwin, aged seven, noticed grandpa trying to stoop to pick up something which had fallen to the ground, sud-

denly said: "O, wait, grandpa, let me pick it up for you. I haven't so far Magnet's Power, A steel horseshoe magnet can hold suspension a weight up to twenty

Call at the Dispatch office and in ect the new calendar samples.

Established in 1871---Forty Years dispensing the good Clothes to men in Mahoning County

Join the Dress Parade

Come in and select your Easter Outfit now from the Hundreds of beautiful patterns on display at this store. Suits in endless variety from \$8.00 to \$40.00.

Furnishing Goods direct from the Creator of Styles--Shirts, Hats, Caps--Childrens Clothing and Furnishings.

The Old Reliable Clothing Store for Men HARTZELL'S 40 Years Serving the in Youngstown, O. HARTZELL'S Needs of Good Dressers.

RAREBITSO'HUMOR

Lewis in Houston, Texas, Post.

That Was the Reason. "And you didnt advertise for your wife's lost dog?" "I should say not."

"I guess you don't realize the effectiveness of advertising." "If I didn't I would have advertis.

A Better Word. "It is funny how you happen to be broke whenever I want to borrow a five!"

"Oh, I don't consider it funny." "Don't you?"
"No. I think 'lucky' would be the better word to use."

What He Meant. "I thought from what you said to ne yesterday that old Skads had "What did I say?

"Why, you said that the last time you saw him he was at the end of his "Oh! You see the last time I saw nim he was just finishing a campaign cigar someone had given him."

At the Ball. "I presume you have some trouble keeping your wife in clothes?" "Oh, no: none at all. As long as she measures more around the hips han she does about the waist she won't come out of her clothes any farther than she is now."

Lidn't Get Much. "There's a nice looking man." "Yes, I happen to know him. He married for money. "Who'd he marry?" "My wife and I. I gave him a five spot.

But He Meant Military Maneuvers. "Are you paying any attention to these spring maneuvers, dear?'
"You bet I am! And if you think you are going to get out of buying me an Easter bonnet by complaining of 25,000. poor business you have got another guess coming!"

Would Seem So. out to be a fraud." "Then she took the name of the

lord in vain, eh?"

Careful. "If you are so afraid he won't propose to you again why did you refuse him the first time he proposed?" "He was steering the auto we were

in when he proposed. "But what has that to do with it?" "Everything, I accepted a proposal the farm that must keep pace with the once while out in a canoe and I was changing methods in every other innearly drowned. I don't take any more chances."

Hopeful. Maud Muller flew in an aeroplane And never did come back again; Twas a sad, sad case, but we'd ap

If we thought it would prove the last of Maud. Reason For eBing. "You seem surprised to see me? "I am."

"Why, don't you remember I promised to come in today and settle that Yes, that's why I am surprised."

One Wife's Way.
"Does your wife ask you for things she knows you can not afford?" "She hasn't asked me for a thing since we were married. "Great! How do you manage it?"

"When she wants a thing she does not ask me, she tells me.' Premeditated. "And why do you claim that it was with malice aforethought that the automobilist defendant ran down the complaintant?"

"On the morning it happened, your honor, I heard him say that he was going to take out his new auto and see if he could not run across a few people he knew."

Should Be Prepared. "There's one thing about the Amercan-Japanese war if it is ever pulled "And what is that?"

"Hobson has given plenty of no-ice to the moving picture concerns." Frank.

"Mrs. Newrich's bazaar for charity was just what I expected it to be." "Well, at any rate, she did not de-

"No-0?" "No. At least the invitation she ent me asked me to her 'blzarre.'"

"Tommy had to meet with the board of education yesterday." "The board? Good gracious! When I was a boy it was only a

"I wish Willie had been born

"Why?"
"Oh, he is such a cry baby! I wish could do something to stop his sniv-illing at everything that comes up."
"To stop it? Encourage it, you nean! Nature evidently intended hat boy for a United States senator.

Calling cards-Dispatch office

THE GRANGE

Conducted by J. W. DARROW, Chatham, N. Y., Press Correspondent New York State

Normal Growth In Membership and Good Progress.

Larger Interest In Agriculture and an Awakening to Responsibility For Community Leadership Are Two Important Features of Prudent Effort.

Speaking of the past year's work in Massachusetts, State Master Gardner

Our membership has steadily increased, our financial strength has been materially enhanced and a growing realization of the meaning, possibilities and responsibilities of grange affiliation has been increasingly borne home to our membership. Eleven new subordinate granges and one new Pomona have been organized since this national grange last convened, while the lines have been laid for several new granges in substantial and safe grange extent sion. Massachusetts with her small area now rejoices in 240 subordinate granges, 24 Pomonas and 28,000 members, holding 5,500 meetings a year and reaching as a total audience more than 300,000 people in those meetings of each twelve months. Whether neighborliness prevails among the Massachusetts patrons or not may be judged from the fact that during the year the numbers of individual visits of members in "neighbors' night" excursions from one grange to another exceeded

The most gratifying phase of the Massachusetts grange work the past year has been the emphasis placed upon two distinct objects of practical "The lord whom she married turned effort-first, more interest in agriculture and more vigorous efforts to promote it; second, an awakening to the responsibility for community leadership that rests upon every grange in every rural town. For the good of agriculture the Massachusetts grange meetings have emphasized in addresses, papers and discussions the extensive soil cultivation that means efficiency, the ever improving methods on changing methods in every other industry, the courage absolutely necessary as an accompaniment of efficiency and improvement that make the trinity of success everywhere-on the farm

> as in every other employment. Our granges have taken an active part in keeping the agricultural fairs and have furnished some of the finest exhibits. They have loyally supported the farmers' institutes and have aided materially in their success. The granges have co-operated heartily in our better farming trains and were an energetic factor in the great New England corn

In agricultural legislation the grange in Massachusetts has taken an active and aggressive part. More favorable legislation in behalf of the dairy interests of our state followed the milk strike, and one important measure, changing milk transportation methods in the state from contractor's monopoly of cars, to a fair and equal chance for all milk shippers, passed our legislature with but one opposing vote out of more than 200 members voting. Other important agricultural legisla tion of the year which the grange worked for and indorsed was a largely increased appropriation for the improvement of highways in the small towns, and appropriation for the encouragement of orcharding through the offering of state prizes for the best growth and improvement in fruit on Massachusetts farms; the establishment of an inspection of apiaries, designed to stamp out diseases among trees; strong legislation to protect from unjust prosecution the dairymen who produce and sell the pure, unadulterated milk of healthy herds; an amended deer law in the interest of the farmer; complete victory in a prolonged fight to continue rigid protection of the birds, which was accomplished against united and heavily financed sportsmen's interests; positive beginnings in a practical system of agricultural education for the lower grades of the public schools; appropriations of \$300,-000 for stamping out insect pests within the border of the state; a quarter of a million dollars for one state agricultural college and the extension of its work over a much wider field of usefulness than ever before; increased appropriations for forestry and con-servation undertakings, besides the defeat, largely through grange influence and energy, of numberless measures that would have brought direct injury to the farmers if they had ever been put upon the statute books of our state. In all matters of legislation in Massachusetts our grange policy has been to strive for a square deal for farmers and for our rural towns, but

that square deal to the farmers must mean also the greatest and the final good of our commonwealth as a whole.

Ohio State Grange Meeting. State Master Laylin said in his opening address that 4,700 new members had been admitted the past year, the greatest gain in a third of a century. The assets amount to \$2,800. T. C. Laylin was re-elected master, and L. J. Taber, the popular lecturer, was also re-elected. The next meeting will be held at Columbus in connection with the national grange meeting.

Have the feed lot located on a well drained slope, to the south of some windbreak, such as a grove of trees, a long shed or on the lee side of some sheltering hill. This not only shuts off the piercing winds, but affords a spot where the sunshine will wield its most potent influence.

It is advisable to clean up all the refuse around the racks and mangers once a day, else it soon freezes there, making it necessary to leave it in the lot until spring, which not only causes more and more harder labor, but establishes conditions that turn the feed lot into a perfect hog wallow to be waded through when spring thawing sets in.-Farm and Fireside.

Silage For Horses. Silage cannot be recommended for general feeding to horses of any kind. Some have reported gratifying results with it, but others have killed their horses even with the first feed of it. It is generally suspected that in these unfortunate cases the sllage was not of first class quality, but as there is no assurance that silage will not occasionally contain some moldy spots every feeder should be cautious in dealing it out to horses. Horses are far more easily injured than cattle by moldy

Sunlight Good For Cows. An open shed in the corner of the barnyard is not a dairy barn, but it can be used to good advantage during the dry sunny days if the north and west sides are wind proof.

Sheep Easy to Handle. Sheep require no more attention than cattle and less than swine. The occasional farmer who keeps a few sheep would not think of getting along with-

Six Hurt in Blaze. Gallipolis, O., April 12.-Leaping

from second and third-story windows as fire barred every other means of egress, six men were seriously injured when the machine and cabinet department of the Ohio Valley Furniture was burned. The property loss is estimated at \$100,000.

Patten Alds War on White Plague. Chicago, April 12 .- James A. Patten, the multi-millionaire grain and cotton operator, has taken steps to relieve himself of at least \$2,000,000 of his fortune in a systematic effort to rid the world of the "white plague."

GETTING RICH QUICK.

I bought a block Of mining stock For twenty cents or less. It wasn't much, But still the touch Occasioned some distress, For, lo, behold, Instead of gold, So freely guaranteed, Although I wait, Not up to date A dollar has been treed. Beneath the ground Some one has found A prospect not so slow, And so he comes Unto his chums And lets them in down low In twenty days They hope to raise Tremendous loads of ore, It looks all right, And so you bite, And hear of it no more. Oh, mining stock, We hate to knock game so very fine, But still you make Most every fake Look like a five cent shine! Some mines may pay, Or so they say Who wisely claim to know. It is not true Of those that you Have fattened with your dough. -Warren Tripune.

A true lover of Nature will find as much enjoyment in seeing the beautiful things in other people's gardens as if they were in his own.

He Saw Wood. The tramp who was told to say nothing and saw wood the next morn-ing knocked at another door but said nothing because he saw wood.

Things you ought to do a

SHORT NEWS ITEMS.

In celebration of the fiftieth anniversary of the founding of the Massachusetts Institute of Technology a Boston, there was held at that school a great symposium of alumni on the discoveries in scientific management of business affairs.

All of the 1,485 steerage and 235 cabin passengers on board the North German Lloyd steamship Prinzess Irene, fast aground in the sand off Fire island, were transferred to her sister ship, the Prinz Frederic Wilhelm, which brought them safely to New York city. The transfer was effected without jucident, accident or panic.

Money changers, solicitors of rail road business and any who accept gifts or tips from immigrants henceforth will be barred from Ellis island, New York.

Mayor Reyburn's annual report to the Philadelphia city council shows that the city government spent during the municipal year more money than it received. Receipts were \$41,-914,029 and expenditures \$47,755,049.

Madison Square garden, the largest assembly building in New York city, plans for tearing down the famous R. A. Brown, Clerk. (1-5) Trustees. was sold to a company which has laid structure and erecting on the site five modern skyscrapers.

The Civil war pension list was at-

Former County Judge Thomas C. Martin of Waukesha, Wis., who made the run for justice of the peace on the "Sermon on the Mount" ticket won by a large majority.

The subject was "Resolved That the Loyola college of Chicago at Omaha. National Resources Should Be Left to the States Rather Than to the United

bank of Northern California, was found dead at Reading, Cal., lying across the graves of his two wives. A note by his side said he had commit-ted suicide.

a free and regular condition and restoring the organs of the body to health and strength. Sold by all

tacked by Franklin MacVeagh, secretary of the treasury, in an address at the opening session of the fifteenth annual meeting of the American Academy of Political and Social Science in Philadelphia when he advocated a civil service pension for government

The debating team of the Creighton

E. L. Bailey, vice-president of the

Chamberlain's Stomach and Liver Tablets assist nature in driving all impurit'es cut of the system, insuring

It is had enough for a man to drink without being proud of it. Besides, his breath can usually be reupon to do any advertising of the fact he may deem desirable.

-Try the Dispatch, \$1 a year.

SALE OF TOWNSHIP BONDS. Notice is hereby given that the Township of Canfield, Mahoning County, Ohio, will sell bonds for which sealed bids will be received, to be opened at one o'clock p. m., May 1, 1911, at the office of the Trustees in rown Hall, Canfield, Ohio, the proceeds of which will be used to advance the 10 per cent. of the cost of construction of the State Aid Improvement Road, assessed against the Situate in the Court abutting property owners in accordance with Section 7004 of the General Code of Ohio.

In all \$2000.00 in bonds will be sold o be due and payable as follows. \$500 dated May 15th, 1911, and due Sept. 15, 1912. \$500 dated May 15th, 1911, and due

\$500 dated May 15th, 1911, and due Sept. 15, 1914. \$500 dated May 15th, 1911, and due

Sept. 15, 1915. The foregoing and above named bonds to bear interest at five per cent. per annum payable semi-annually, principal and interest payable (18) chains and nineteen (19) links when due at the office of the Treasurer of said township. The right is

Proposals for the above bonds must be addressed to R. A. Brown, Clerk of Canfie.i Township, and the envelope marked "Bids for Bonds."

JOHN MARTIN, H. J. BEARDSLEY,

FOR SALE.

Good 7-room house, good cellar, heater, well and cistern water, Extra good new barn, % acre of land, plenty of good fruit of all kinds. A firstclass property in every way. A bargain at \$2200 is sold soon.

Farm of 158 acres ,3 miles from Canfield. Fairly good house, barn and other outbuildings, good soil, about one-half under cultivation, balance good pasture, plenty of good water, lots of fruit. Price \$30 per acre. We have many others for sale.

Wilson-Rowan Co.

university law department defeated Phone 38 and 79 CANFIELD, O.

Teachers' Examination. THE Board of Examiners will hold meetings for the Examination of Teachers as follows: Examinations begin at 90'clock A. M., and close at 40'clock P. M. Youngsrown—First Saturday in September November, December, February, March, Mar

November, December, February, March, Ma-Juneand August.

Oanrish—First Saturday in October, Januar
April and July.

Pupils' examination, Youngstown—Third Satuday in April and third Saturday in May.

Applicants who have had any experience it
teaching, are required to bring testimonials from
the Directors of the schools which they last taugh
stating their success and their ability to govern;
school. All who are not personally acquainte
with the examiners must have certificates of more

Our idea of soft coin is that which we keep in the kick when we decide

to flag the poker game! The clam may lead the cloistered life, but he never has to square him

self for shooting off his mouth!

ADMINISRATOR'S SAL OF REAL

ESTATE. In pursuance of an order of the Probate Court of Mahoning County, Ohio, I will offer for sale at Public

Auction, on the

as being a part of section eleven (11), township seventeen (17), and range four (4) in said County of Mahoning and being parts of the south-east quarter and of the northeast quarter of said section eleven and beginning at the Louthwest corner of said southeast quarter; run thence east on the section line twenty (23) chains and seventy-eight (78) links; thence north one and one half (11/2) degrees west forty (40) chains and thirty-nine (39) links to the north line of said quarter; thence east with the said quarter line one (1) chain and fifty-six (56) links; thence north eighteen to a corner in land formerly owned by James M. Sears but now owned by reserved by the Trustees to reject Emmor Campbell; thence west with the said Campbell's like the (22) chains and sixty-two (62) links to a corner in the quarter section line; thence south along said quarter section line fifty-eight (58) chains and forty-nine (49) links to the place of beginning and containing one hudred ad twenty-five and forty-five hundredths (125.45) acres of land and being the same premises conveyed to Mary H. Saxon by Harry Saxon by deed dated the 16th day of November, A. D., 1886, and recorded in Vol. 61, Page 482 of the Mahoning County Deed records, to which reference is here made, free of dower.

Said property is appraised at \$3,750. Terms of Sale: Said property can not sell for less than two-thirds of said appra.sement. One-third cash in hand, one-third in one year, and onethird in two years from the day of sale, with interest. Deferred payments to be secured by mortgage on premises sold.

CHARLES S. SAXON, Administrator of Mary H. Saxon, deceased.

J. C. Boone, Atty.

EXECUTRIX'S NOTICE. the State of Olio, Mahoning County, ss. In the Court of Probate. Notice is hereby given that the undersigned has been appointed and qualified Executrix of the estate of Sardis E. Dyball late of Mahoning County, Ohio, deceased, by the Pro-bate Court of said county. All per-

sons interested will govern themselves accordingly.
IDA E. DYBALL,

March 8, 1911. (3-3) Executrix. ADMINISTRATRIX'S NOTICE. The State of Ohio, Mahoning County, ss. In the Court of Probate. Notice is hereby given that the undersigned has been appointed and qualified Administratrix of the estate f James Alexander Duncan late of Mahoning County, Ohio, deceased, by the probate Court of said county. All

selves accordingly. GEORGE B. DUNCAN, March 3, 1911. (3-3) Administrator.

-Patronize Dispatch advertisers.

persons interested will govern them-

The Strouss-Hirshberg Co.--Dependability

Easter News From the Millinery Section

Every Easter want will be satisfactorily looked after at this store-Strouss-Hirshberg Hats will be pre-eminent in the Easter Day style parade. Besides the magnificent special showings of Trimmed Hats at \$5.00, \$6.00,

\$7.50 to \$15.00, here are two lines that merit immediate attention: Untrimmed Hats

Just new shipments opened for tomorow, of smart Milan Shapes, both large and small styles.

Black, Navy, Burnt White; special values at \$1.00, \$1.25, \$1.50.

Young Girls' Hats

Prettily trimmed Hats for girls from six to fifteen years;-fancy braid with ribbons.

Many styles in the assortment. To sell special beginning tomorrow at

Easter News Concerning Suits

Still More of the \$16.50 \$12.50 White Serge Suits at . .

Serge Suits at \$12.50. Same style and

quality that we have been selling so

freely for the past four weeks.

Announcement is made of the arrival of another shipment of White Plain and Tailored Grey Suits Especially large showing here of

Grey Suits in strictly tailored styles. These are in the greatest demand for business and travel wear, because of the suitability of color and fabric. \$22.50 to \$39.50

